

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CA 03/00305

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02D9/06 F02D13/04 F01L13/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02D F01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	US 2002/174654 A1 (YANG ZHOU) 28 November 2002 (2002-11-28) paragraph '0033! - paragraph '0038! ----	1-11, 13-23
X	US 5 787 858 A (MENEELY VINCENT ALLAN) 4 August 1998 (1998-08-04) column 7, line 8 -column 8, line 55 ----	1-7, 10, 13-19, 22
X	US 6 170 474 B1 (ISRAEL MARK) 9 January 2001 (2001-01-09) column 9, line 65 -column 10, line 11 ----	1, 2, 10, 13, 14, 22
A	EP 0 640 750 A (JACOBS BRAKE TECH CORP) 1 March 1995 (1995-03-01) column 8, line 44 -column 9, line 3; figure 10 ----- -/--	1, 13



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

28 August 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	EP 0 294 682 A (JACOBS MFG CO) 14 December 1988 (1988-12-14) column 16, line 17 -column 17, line 26 ---	3-7, 15-21
A	US 4 592 319 A (MEISTRICK ZDENEK S) 3 June 1986 (1986-06-03) column 17, line 59 - line 65 ---	1,13
A	US 5 215 054 A (MENEELY VINCENT A) 1 June 1993 (1993-06-01) cited in the application column 6, line 7 - line 28 ---	1,13
A	US 5 086 738 A (KUBIS HERIBERT ET AL) 11 February 1992 (1992-02-11) cited in the application column 6, line 31 -column 7, line 5 -----	1,13

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